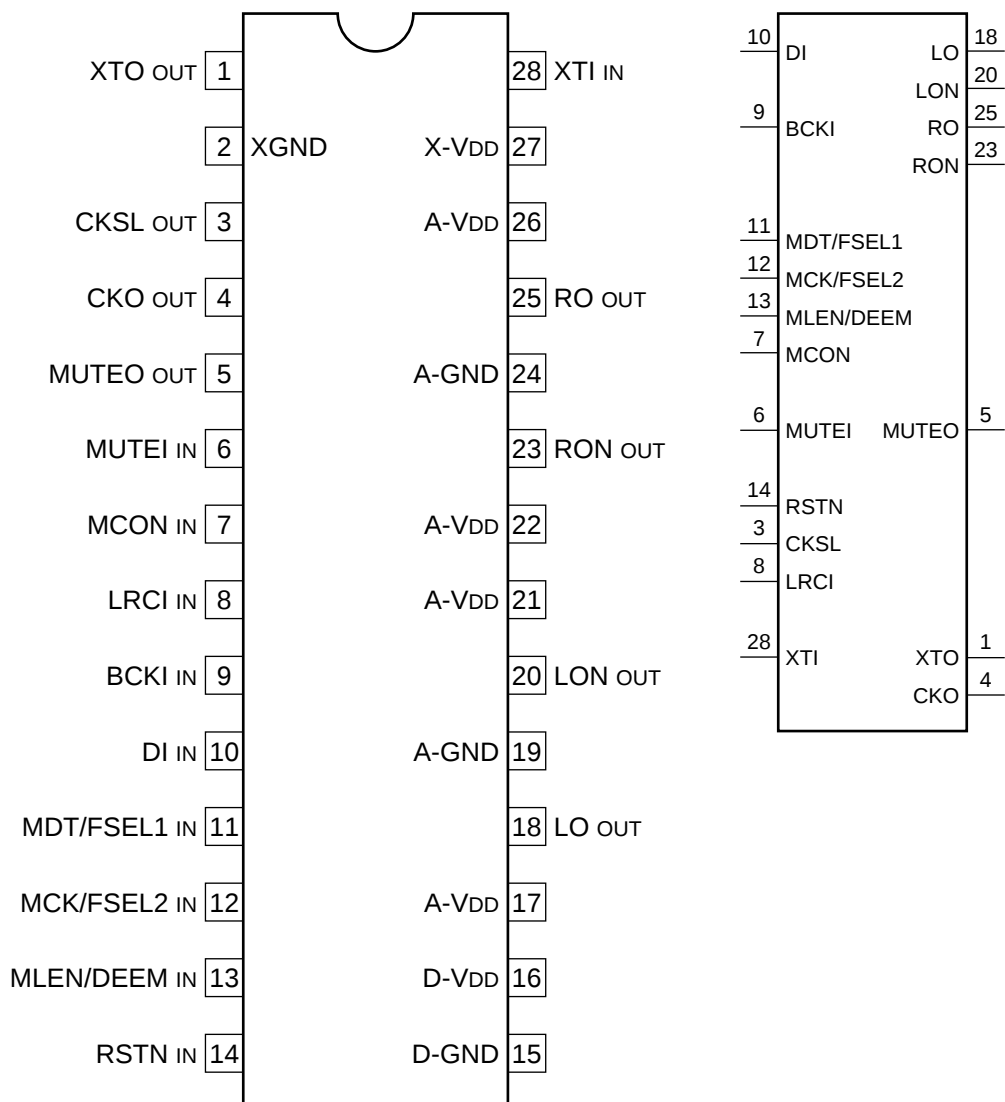


C-MOS 2-CHANNEL D/A CONVERTER FOR DIGITAL AUDIO

—TOP VIEW—



AVDD, AGND : ANALOG

DVDD, DGND : DIGITAL

XVDD, XGND : FOR CRYSTAL OSCILLATOR

INPUT

BCKI : BIT CLOCK
 CKSL : SYSTEM CLOCK SELECT (L : 256 fs/H : 512 fs)
 DI : DATA
 LRCI : SAMPLE RATE (fs) CLOCK (L : R-CH/H : L-CH)
 MCK/FSEL2 : MCON = H : MICROCOMPUTER INTERFACE CLOCK
 MCON = L : FILTER SELECT*2
 MCON : INTERFACE SELECT CONTROL*1
 MDT/FSEL1 : MCON = H : MICROCOMPUTER INTERFACE DATA
 MCON = L : FILTER SELECT*2
 MLEN/DEEM : MCON = H : MICROCOMPUTER INTERFACE LATCH ENABLE
 MCON = L : DEEMPHASIS CONTROL
 MUTEI : DF OUTPUT SOFT MUTE (L : OFF/H : ON)
 RSTN : SYSTEM RESET
 XTI : OSCILLATOR

*1

MCON	MODE
0	FSEL1, FSEL2, DEEM
1	MDT, MCK, MLEN

0 : LOW LEVEL

1 : HIGH LEVEL

*2

MCON	FSEL1	FSEL2	
0	0	0 (44.1 kHz)	1 (48.0 kHz)
0	1	0 (44.1 kHz)	1 (32.0 kHz)

0 : LOW LEVEL

1 : HIGH LEVEL

OUTPUT

CKO : CLOCK
 LO : L-CH PWM (PULSE WIDTH MODULATION) (+)
 LON : L-CH PWM (PULSE WIDTH MODULATION) (–)
 MUTE0 : INFINITY ZERO DETECT
 RO : R-CH PWM (PULSE WIDTH MODULATION) (+)
 RON : R-CH PWM (PULSE WIDTH MODULATION) (–)
 XTO : OSCILLATOR

